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Frame = +3

Query: 1 MGAAFVASLRNLSSATSRSEMNSSVGDLGVGGCSLWDDPARFIVVPAAYALALGLGLPA 60
MGAAFVASLRNLSSATSRSEMNSSVGDLGVGGCSLWDDPARFIVVPAAYALALGLGLPA
Sbjct: 138 MGAAFVASLRNLSSATSRSEMNSSVGDLGVGGCSLWDDPARFIVVPAAYALALGLGLPA 317

Query: 61 NVAALAMFIRSGGRLGQALLLYLFNLALVDEFFTLTLQLWLTYYLGLARRPPATRPGPPT 120
NVAALAMFIRSGGRLGQALLLYLFNLALVDEFFTLTLQLWLTYYLGLARRPPATRPGPPT
Sbjct: 318 NVAALAMFIRSGGRLGQALLLYLFNLALVDEFFTLTLQLWLTYYLGLARRPPATRPGPPT 497

Query: 121 TCPPMRRWSSPRSSACAAAASYAVPGPGRLPAWPGAY-APRALPAPSPGWRWPLPAWST 179
TCPPMRRWSSPRSSACAAAASYAVPGPGRLPAWPGAY APRALPAPSPGWRWPLPAWST
Sbjct: 498 TCPPMRRWSSPRSSACAAAASYAVPGPGRLPAWPGAYGAPRALPAPSPGWRWPLPAWST 677

Query: 180 AGQARGWPPPRWPSRPPSCWCSRPT 204
AGQARGWPPPRWPSRPPSCWCSRPT
Sbjct: 678 AGQARGWPPPRWPSRPPSCWCSRPT 752

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(54) **Guanosine triphosphate-binding protein coupled receptors**

(57) The object of the present invention is to provide a technique for efficiently extracting GPCR sequences from human genome sequences, thereby comprehensively identifying novel GPCRs. An original automatic

system for identifying GPCR sequences is disclosed, and 1035 novel GPCRs are successfully identified from the entire human genome by utilizing the system.

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